Amendments to the Specification

Please replace paragraph 0014 with the following amended paragraph:

The method and apparatus further includes, while in a calculation mode, determining a first geometric value and a second geometric value based on a pixel value, which is specifically a coordinate location of the pixel, the plurality of vertex values and the differential geometric values. The first geometric value and second geometric value are values calculated based on combination of mathematical manipulation of various pixel values and differential geometric values. Furthermore, ~~a~~ an interpolated pixel parameter value is determined for each of the plurality of pixels based on ~~the~~ a vertex parameter value, the first geometric value and the second geometric value. In ~~the~~ a preferred embodiment, the first geometric value, second geometric value and the pixel value are determined for each of the plurality of pixels, on a pixel by pixel basis.

Please replace paragraph 0023 with the following amended paragraph:

In one embodiment, the first differential geometric value dx02 is calculated based on the difference between the first_plane zero_vertex parameter x0 ~~(102)~~ and the first_plane second_vertex parameter x2 ~~(106)~~. The second differential geometric value dy02 is calculated based on the difference between the second_plane zero_vertex parameter y0 ~~(102)~~ and the second_plane second_vertex parameter y2 ~~(106)~~. The third differential geometric value dx10 is calculated based on the difference between the first_plane first_vertex parameter x1 ~~(104)~~ and the first_plane zero_vertex parameter x0 ~~(102)~~. And the fourth differential geometric value dy10 is calculated based on the difference between the second_plane first_vertex parameter y1 ~~(104)~~ and the second_plane zero_vertex parameter y0 ~~(102)~~.

Please replace paragraph 0024 with the following amended paragraph:

In one embodiment of the present invention, the method next operates in a calculation mode wherein the next step, step 204, is determining a first geometric value and a second geometric value based on a pixel value (e.g., a coordinate location value (x,y)), the plurality of vertex values and the differential geometric values. In one embodiment, the first geometric value may be calculated by equation 6 and the second geometric value may be calculated by equation 7.

Please replace paragraph 0026 with the following amended paragraph:

Equation #7: geom_2 = (x-xe0)*dy10 + (y-y0)*dx10

Please replace paragraph 0027 with the following amended paragraph:

In this embodiment, the first geometric value geom._1 is calculated by the difference of the first_plane pixel ~~parameter 108~~ location value (x) and the first_plane zero_vertex parameter ~~102~~or value (x0) times the ~~first~~ second differential geometric value dy02 added to the difference between the second_plane pixel ~~parameter 108~~ location value (y) and second_plane zero_vertex parameter ~~102~~ or value (y0) times the first differential geometric value dx02. Furthermore, in this embodiment, the second geometric value geom. 2 is calculated based on the multiplication of the difference betwcen the first_plane pixel ~~parameter 108~~ location value (x) and the first_plane zero_pixel parameter ~~102~~ or value (x0) and thc fourth differential geometric value dy10 summed with the multiplication of the difference between the second_plane pixel ~~parameter (108)~~ location value (y) and the second_plane zero_vertex parameter ~~102~~ or value (y0) and the third differential geometric value dx10.

Please replace paragraph 0028 with the following amended paragraph:

Furthermore, while on the calculation mode, the next step, step 206, is determining a pixel value based on a vertex parameter value, the first geometric value and the second geometric value. The interpolated pixel parameter value P(x,y) ~~108~~, in one embodiment, may be calculated based on the following equation:

Please replace paragraph 0030 with the following amended paragraph:

The pixel value is the combination of the vertex parameter (~~p~~P0), the first geometric value (geom_1) multiplied by a first parameter difference value (Pdif1) and the product of the second geometric value (geom_2) and a second differential parameter value (Pdif2). As discussed in greater detail below, the pixel values calculated by equation 8 include terms, Pdif1 and Pdif2, which are set-up mode terms. These set-up mode terms are calculated during the set-up mode and may be used to verify the value of the interpolated pixel parameter value P(x,y), as discussed below utilizing, in one embodiment, equations 9-11.